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APPLICATION NO.	FILI	ING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO		
09/886,824 06/21/2001		/21/2001	George Alfred Velius		6850		
29546	7590	06/15/2004		EXAM	INER		
TRADEHARBOR, INC. 390 S. WOODS MILL RD. CHESTERFIELD, MO 63017-3489				DAVIS, G	DAVIS, GEORGE B		
				ART UNIT	PAPER NUMBER		
CHEOTER	322, 1110	05017 0 105		2121			

DATE MAILED: 06/15/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

RECEIVED

JUN 2 2 2004

*Technology Center 2100

		Application No.	Applicant(s)
		09/886,824	VELIUS, GEORGE ALFRED
	Office Action Summary	Examiner	Art Unit
		George Davis	2121
Period f	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the	correspondence address
- External control con	HORTENED STATUTORY PERIOD FOR REPLY MAILING DATE OF THIS COMMUNICATION. ensions of time may be available under the provisions of 37 CFR 1.13 or SIX (6) MONTHS from the mailing date of this communication. e period for reply specified above is less than thirty (30) days, a reply openiod for reply is specified above, the maximum statutory period we ure to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be till within the statutory minimum of thirty (30) day ill apply and will expire SIX (6) MONTHS from the application to become ARANGONE.	mely filed /s will be considered timely. the mailing date of this communication.
Status			
1)	Responsive to communication(s) filed on	<u>-</u> ·	
		action is non-final.	
3)	Since this application is in condition for allowan	ce except for formal matters, pro	osecution as to the merits is
	closed in accordance with the practice under E.	x parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.
Disposit	ion of Claims		
4)⊠	Claim(s) <u>1-4</u> is/are pending in the application.		
	4a) Of the above claim(s) is/are withdraw	n from consideration	
5)	Claim(s) is/are allowed.		
	Claim(s) 1-4 is/are rejected.		
	Claim(s) is/are objected to.		
	Claim(s) are subject to restriction and/or	election requirement.	
	ion Papers	,	
	The specification is objected to by the Examiner.		
	The drawing(s) filed on is/are: a) accept		
,			
	Applicant may not request that any objection to the di	rawing(s) be neid in abeyance. See	37 CFR 1.85(a).
11)[X]	Replacement drawing sheet(s) including the correction. The nath or declaration is objected to by the Evo	in is required if the drawing(s) is objective.	ected to. See 37 CFR 1.121(d).
11/16_31	The oath or declaration is objected to by the Exa	miner, Note the attached Office	Action or form PTO-152.
Priority u	nder 35 U.S.C. § 119		
	Acknowledgment is made of a claim for foreign p ☐ All b)[☐ Some * c)[☐ None of:	riority under 35 U.S.C. § 119(a)-	(d) or (f).
	1. Certified copies of the priority documents	have been received.	
	Certified copies of the priority documents	have been received in Applicatio	n No
	Copies of the certified copies of the priority	y documents have been received	d in this National Stage
	application from the International Bureau (PCT Rule 17.2(a)).	· ·
* S	ee the attached detailed Office action for a list of	the certified copies not received	l.
Attachment	• •		
1) Notice	of References Cited (PTO-892)	4) 🔲 Interview Summary (I	PTO-413)
2) Notice	of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date	э
Paper	nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) No(s)/Mail Date	5) Notice of Informal Pa 6) Other:	tent Application (PTO-152)
S. Patent and Tra PTOL-326 (Re			of Paper No./Mail Date 06102004

Notice of References Cited

11/2

Application/Control No.

09/886,824

Applicant(s)/Patent Under Reexamination VELIUS, GEORGE ALFRED

Examiner

Art Unit

George Davis

Applicant(s)/Patent Under Reexamination VELIUS, GEORGE ALFRED

Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	Α	US-2003/0037082 A1	02-2003	Daniell, Cindy	708/300
	В	US-6,487,523 B2	11-2002	Jarman et al.	
	С	US-6,366,870 B2	04-2002	Jarman et al.	702/189
	D	US-6,353,679 B1	03-2002	Cham et al.	702/179
	E	US-6,314,204 B1	11-2001	Cham et al.	382/228
	F	US-6,226,409 B1	05-2001	Cham et al.	382/228
	G	US-6,064,958	05-2000	Takahashi et al.	382/228
	Н	US-			704/243
	1	US-			
	J	US-			
	κ	US-			
	L	US-			
7	М	US-			

FOREIGN PATENT DOCUMENTS

	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
N					
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	O P Q R	Country Code-Number-Kind Code N O P Q R	Country Code-Number-Kind Code MM-YYYY N O P Q R	Country Code-Number-Kind Code MM-YYYY Country N O P Q R	Country Code-Number-Kind Code MM-YYYY Country Name N O P Q R

NON-PATENT DOCUMENTS

-4		
*	ŀ	Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
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	х	
A cop	y of thi	s reference is not being furnished with this Office action. (See MPER 6.707.05(a).)

A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).) Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Art Unit: 2121

DETAILED ACTION

Oath/Declaration

1. The oath or declaration is defective. A new oath or declaration in compliance with 37 CFR 1.67(a) identifying this application by application number and filing date is required. See MPEP §§ 602.01 and 602.02.

The oath or declaration is defective because Applicant has not given a post office address anywhere in the application papers as required by 37 CFR 1.33(a), which was in effect at the time of filing of the oath or declaration. A statement over applicant's signature providing a complete post office address is required.

Claim Rejections - 35 USC § 112

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-4 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1 recites the limitations "the inherently multi-dimensional space", "the error probabilities" and "the class-specific probability distributions" in lines 1-3.

Claim 3 recites the limitation "the original multi-dimensional space " in lines 1 and 2.

Claim 4 recite the limitations "the ratio pf probabilities" and "the original multi-dimensional space" in lines 1 and 2.

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There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 101

3. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 1-4 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. Claims 1-4 recite mathematical algorithm without any limitation to a practical application. Therefore, claims 1-4 are non-statutory.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to George Davis whose telephone number is (703) 305-3891. The examiner can normally be reached on 6:30 a.m. to 3:00 p.m., Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Anthony Knight can be reached on (703) 308-3179. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Art Unit: 2121

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

George Davis Primary Examiner Art Unit 2121

GD June 10, 2004